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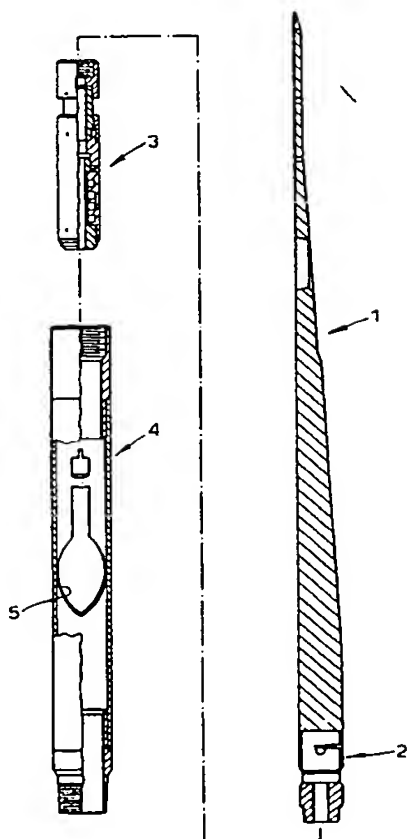
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(54) Title: DOWNHOLE LATCH ASSEMBLY AND METHOD OF USING THE SAME



(57) Abstract: Downhole apparatus for locating equipment in a required depth and orientation within a well bore, the apparatus comprising a body and a latching member mounted on said body so as to be movable between a retracted position and an extended position, wherein the latching member is adapted to project into a latch profile provided in a casing of a well bore when in the extended position in such a way that it tends to slide along a well bore casing profile portion so as to locate the latching member centrally before preventing movement of the downhole apparatus in the direction of pressing, the latching member being yet further adapted to engage a second portion of said profile in such a way that, when pressed against it, the latching member is moved towards the retracted position so as to permit movement of the downhole apparatus past said latch profile.

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